

MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-136/13674-84-5.html> for suppliers of this product.

Composition/Information on Ingredient

13674-84-5

Code:
M

RTECS:
TC9000000

Code:
M

Name:
PHOSPHORIC ACID, TRIS(2-CHLORO-1-METHYLETHYL) ESTER

Other REC Limits:
N/K

OSHA PEL:
N/K

Code:
M

OSHA STEL:

Code:

ACGIH TLV:
N/K

Code:
M

ACGIH STEL:
N/P

Code:

Control Measures

Respiratory Protection:
USE NIOSH APPROVED CARTRIDGE

Ventilation:
ADEQUATE TO MAINTAIN BELOW TLV; MECHANICAL EXHAUST IS RECOMMENDED. USE ONLY IN WELL VENTILATED AREAS.

Protective Gloves:
CHEMICAL RESISTANT RUBBER OR PLASTIC

Eye Protection:
SAFETY GOGGLES OR FACE SHIELD

Other Protective Equipment:
EQUIPMENT IMPERVIOUS GLOVES

Work Hygienic Practices:

REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH SKIN & HANDS AFTER USE.

Supplemental Safety and Health:
PRODUCT CURES TO A RIGID SOLID WITHIN 30 MINS. THIS RESIDUE CANNOT BE REMOVED FROM SKIN WITHOUT

PRODUCT CURES TO A RIGID SOLID WITHIN 30 MINS. THIS RESIDUE CANNOT BE REMOVED FROM SKIN WITHOUT MECHANICAL ABRASION. BEFORE FOAM CURES IT MAY BE REMOVE W/ACETONE, PAINT THINNER OR SIMILAR SOLVENT. BOILING POINT/VAPOR PRESSURE/VAPOR 4 DENSITY/EVAPORATION RATE INFO IS FOR CFC. LD50 INFO IS FOR POLYMER/EO DIISOCYANATE

Health Hazards Data

LD50LC50Mixture:
ORAL LD50 (RAT): 15,000 MG/KG SEE

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:

INHALATION: NOSE/THROAT IRRITATION, REDUCED PULMONARY FUNCTION, NARCOSIS & CARDIAC IRREGULARITIES. SKIN: SENSITIZATION, DERMATITIS, IRRITATION & DISCOLORATION. EYES: IRRITANT & CORNEAL DAMAGE. INGESTION: IRRITATION & CORROSIVE ACTION IN MOUTH & DIGESTIVE TRACT. OBSTRUCTION OF FREE PASSAGE OF FOOD & AIR.

Explanation Of Carcinogenicity:
NONE

Signs And Symptoms Of Overexposure:

SIGNS AND SYMPTOMS OF OVEREXPOSURE:
PERSONS SENSITIZED TO ISOCYANATES MAY EXPERIENCE SHORTNESS OF BREATH, SEVERE COUGHING, DYSPNEA, CHEST DISCOMFORT, NOSE & THROAT IRRITATION, LIGHTHEADEDNESS, HEADACHE, GIDDINESS, CARDIAC IRREGULARITIES , UNCONSCIOUSNESS & DEATH. SKIN: LOCALIZED IRRITATION & DISCOLORATION. REDDENING, SWELLING & BLISTERING.

Medical Cond Aggravated By Exposure:
CHRONIC RESPIRATORY PROBLEMS

First Aid:
INHALATION: TREAT SYMPTOMATICALLY W/VASO-DILATORS & OXYGEN. **SKIN:** WASH W/ABRASIVE SOAP, ACETONE OR ALCOHOL.
AFTER PRODUCT CURES IT CAN ONLY BE REMOVE MECHANICALLY. USE ABRASIVE CLEANER & STIFF VEGETABLE BRUSH. **EYES:** FLUSH
W/WATER FOR 15 MINS, HOLDING EYELIDS APART. INGESTION: DON'T INDUCE VOMITING. CURED PIECES OF FOAM, WHEN INGESTED,

MAY OBSTRUCT GI TRACT. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures:
WEAR PROTECTIVE CLOTHING. COVER W/ABSORBENT MATERIAL (SAWDUST) & PLACE IN OPEN CONTAINER OR PLASTIC SHEET. AFTER

CURING, MATERIAL CAN ONLY BE REMOVED MECHANICALLY. VENT CAN & DISPENSE FOAM INTO SUITABLE WASTE CONTAINER, ALLOW TO CURE.

Waste Disposal Methods:
 RESIDUE OF SIGNIFICANTLY HAZARDOUS IN ACCORDANCE WITH FEDERAL, STATE, & LOCAL REGULATIONS. DON'T INCINERATE/STRUCTURE CAN

DISPOSE OF IN SANITARY LANDFILL IN ACCORDANCE W/ FEDERAL, STATE, & LOCAL REGULATIONS. DON'T INCINERATE/ PUNCTURE CAN.
PRESSURIZED CONTAINERS ARE EPA HAZARDOUS WASTE #D001. EMPTY CAN COMPLETELY BEFORE DI SPOSAL.

Other Precautions:

IF CAN STORED AT TEMPERATURES LESS THAN 40F, CONTENTS MAY SEPARATE. SHAKE CAN VIGOROUSLY TO RECOMBINE. AVOID SKIN CONTACT. UNCURED MATERIAL REACTS SLOWLY W/WATER TO LIBERATE CO2.

Flash Point Method:

Flash Point:
N/A

Flash Point Text:
N/A

Autoignition Temp:
N/A

Autoignition Temp Text:
N/A

Lower Limits:
N/A

Upper Limits:
N/A

Extinguishing Media:
CO2, FOAM, DRY CHEMICAL, HIGH EXPANSION CHEMICAL FOAM

Fire Fighting Procedures:
WEAR SELF-CONTAINED BREATHING APPARATUS IN POSITIVE PRESSURE MODE & FULL PROTECTIVE GEAR. COOL FIRE EXPOSED CONTAINERS W/COLD WATER.

Unusual Fire/Explosion Hazard:
SEALED CONTAINERS CONTAIN FREON WHICH MAY EXPAND UNDER PRESSURE & EXPLODE. POLYMERIC ISOCYANATE CAN REACT W/WATER, PRODUCING CO2 WHICH CAN REACT VIOLENTLY.

Physical/Chemical Properties

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
SUPP

Melt /Freeze Pt:

M.P/F.P Text:
N/K

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
70

Vapor Density:
2.98

Volatile Org Content %:

Spec Gravity:
1.08

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
(BU AC = 1): >1

Solubility in Water:
INSOLUBLE

YES

Stability Condition To Avoid:
WATER CONTAMINATION, FREEZING, HEAT, TEMPERATURES ABOVE 120F &

Materials To Avoid:
WATER, STRONG CAUSTICS, AMINES, SOME METAL COMPOUNDS, ALCOHOLS

Hazardous Decomposition Products:
CO, CO₂, NITROUS OXIDES, HYDROGEN CYANIDE, & ISOCYANURATES. POLYMERIC DIISOCYANATE VAPORS & FLUOROCARBON VAPORS.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
N/K

Toxicological Information

Information:N/P

Regulatory Information

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

Other Information: N/P

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WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used at the user's discretion.

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